

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Phillip L Wimmer et al

Confirmation No.:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: Method Of Preparing A Surface For Adhesion



COMMISSIONER FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
☐ Statement under 37 CFR 1.97(e), or
☐ a \$180.00 fee under 37 CFR 1.17(p), or
(After the 37 CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs
- ☐ under 37 CFR 1.97 (d) together with a:
☐ Statement under 37 CFR 1.97(e), and
☐ a petition under 37 CFR 1.97(d)(2), and
☐ a \$180.00 petition fee set forth in 37 CFR 1.17(p).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00 . At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. **EL780507725US**

Date of Deposit **Jan 18 2002**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By

Typed Name: **Larry D. Baker**

Respectfully submitted,

Phillip L Wimmer et al

By

Larry D. Baker

Attorney/Agent for Applicant(s)

Reg. No. **39,593**

Date: **Jan 18 2002**

PATENT APPLICATION

Sheet 1 of 2

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10012053-1

APPLICATION NO.

CONFIRMATION NO.

APPLICANT

Phillip L. Wimmer

FILING DATE

GROUP

J1046 U.S. PTO

10/052815



REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	5,987,739	11/23/99	Lake		
	1B	5,843,562	12/01/98	Onodera et al.		
	1C	5,558,789	09/24/96	Singh		
	1D	5,266,362	11/30/93	Katoh et al.		
	1E	5,172,473	12/22/92	Burns et al.		
	1F	5,118,299	06/02/92	Burns et al.		
	1G	4,745,018	05/17/88	Chihara et al.		
	1H					
	1I					
	1J					
	1K					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L	88303983.6	03/05/88	Beecher et al.				
	1M							
	1N							
	1O							
	1P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Page 1248 of an article entitled "Antec: Laser Surface Modification of Polymers to Enhance Adhesion Part II - Peek, APC-2, LCP and PA" by S.M. Tavakoli; published 2000
	1R	Page 205 of an article entitled "Adhesion Promotion Techniques: Laser Surface Treatment to Improve Adhesion" by Alisa Buchman; published 1999
	1S	Page 389 of an article entitled "SPIE Vol. 3423: Conical structures produced by excimer laser irradiation of polymers" by B. Hopp; published 1998

EXAMINER

DATE CONSIDERED

FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
	10015053-1		
	APPLICANT		
	Phillip L. Wimmer		
	FILING DATE	GROUP	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	2A					
	2B					
	2C					
	2D					
	2E					
	2F					
	2G					
	2H					
	2I					
	2J					
	2K					

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							YES	NO
	2L							
	2M							
	2N							
	2O							
	2P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

2Q	Page 151 of an article entitled "International Journal of Adhesion & Adhesives 18: Surface treatment of thermoplastic composites with an excimer laser" by H.C. Man; published 1998
2R	Page 183 of an article entitled "J. Adhesion Sci. Technol. Vol. 11, No. 2: Surface pretreatment of glass fiber-reinforced liquid crystalline polymer composites by excimer laser for adhesive bonding" by H.C. Man; published 1997.
2S	

EXAMINER

DATE CONSIDERED